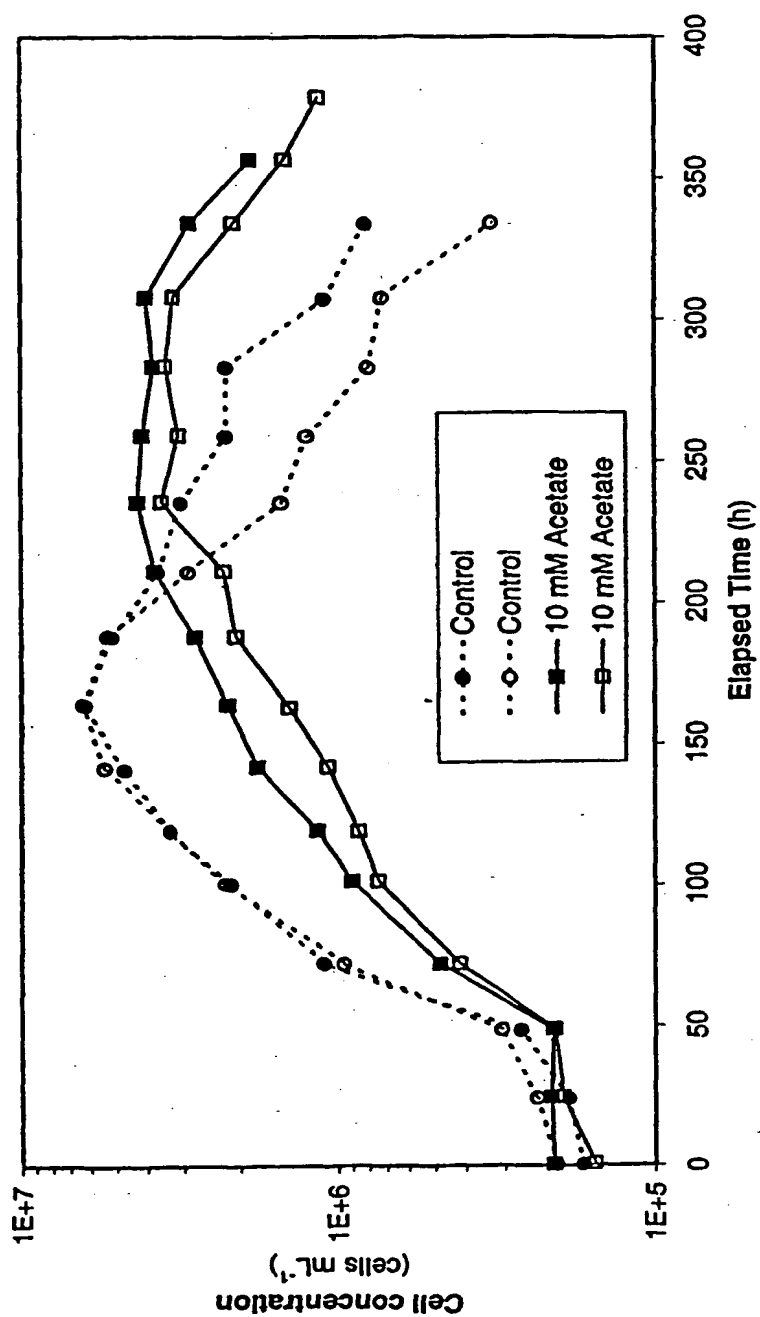


Parameter	Control	Potassium acetate (mM)			Sodium acetate (10 mM)
		5	10	15	
CCT (10^6 cell h mL ⁻¹)	554	597 (8%)	593 (7%)	572* (3%)	535 (-3%)
Product (mg L ⁻¹)	365	448 (23%)	480 (32%)	487* (33%)	501 (37%)
q _P (mg 10 ⁶ cells ⁻¹ h ⁻¹)	0.659	0.752 (14%)	0.810 (23%)	0.852 (29%)	0.937 (42%)

- * A duplicate culture exhibited very poor cell growth. No product concentration was determined.

Δ. 7



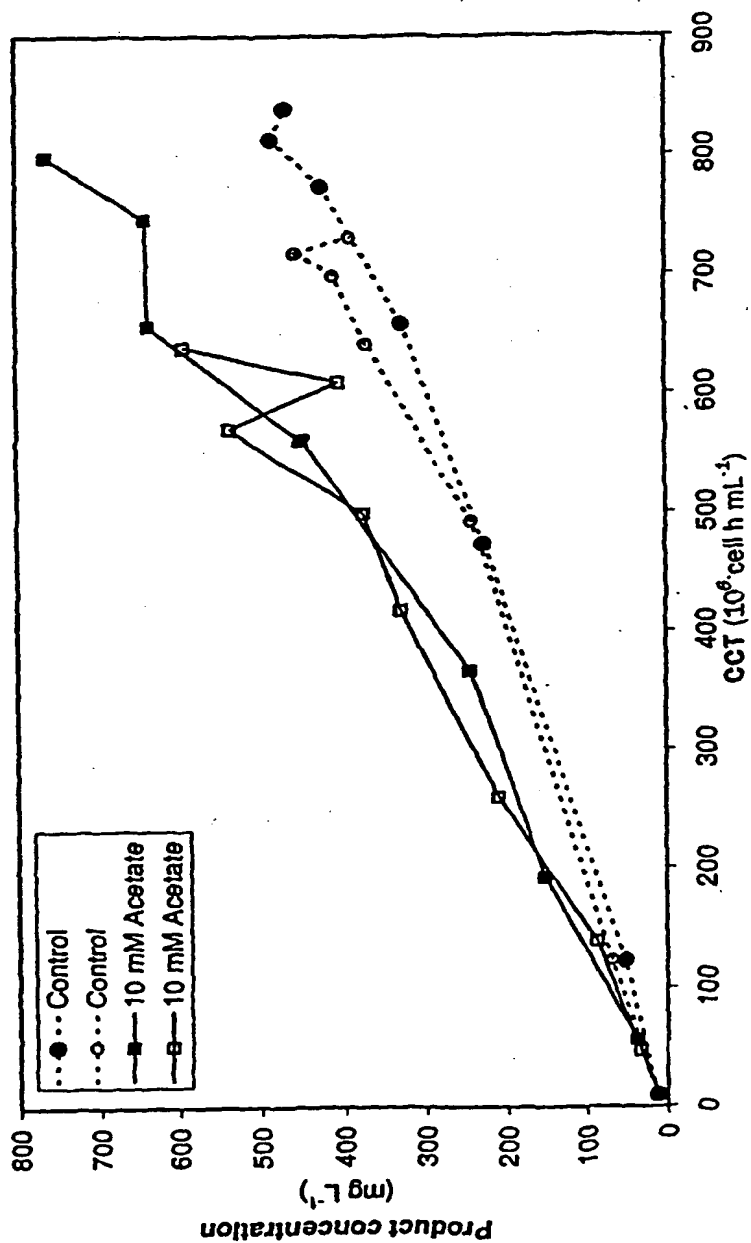


Fig. 1

F. 4

Treatment	Maximum viable cell concentration	CCT	Product concentration	qp
No acetate (Control)	0%	0%	0%	0%
5mM in inoculum	-4%	23%	24%	12%
10mM in inoculum	24%	40%	97%	56%
5mM at feed	8%	-13%	-15%	-5%
10mM at feed	1%	-8%	8%	17%
15mM at feed	26%	7%	1%	-3%
5mM in inoc - 10mM at inoc	9%	59%	98%	39%
5mM in inoc - 10mM at feed	12%	47%	73%	28%

5/12

Fig. 5

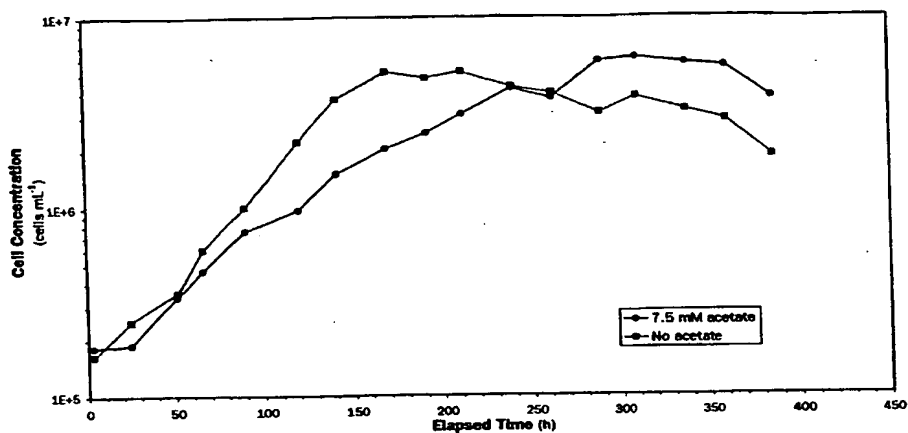


Fig. 6

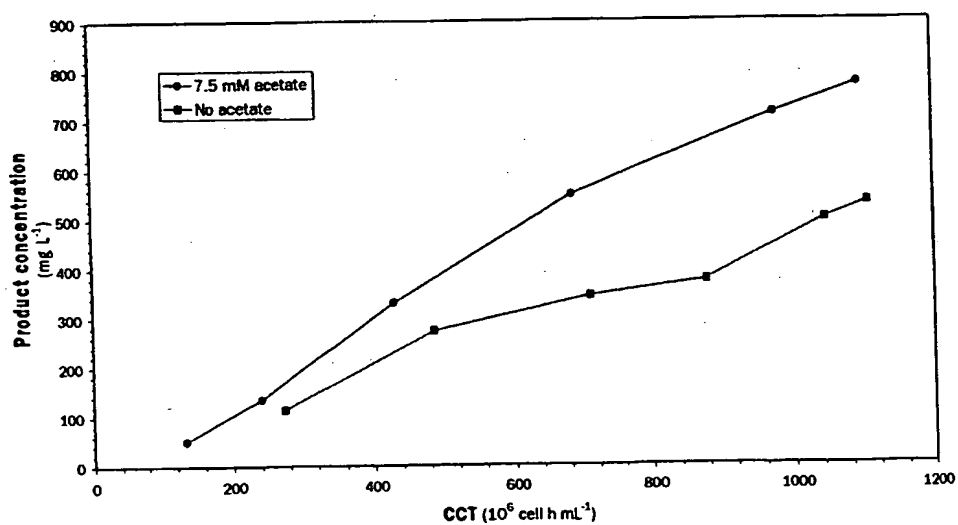


Fig. 7

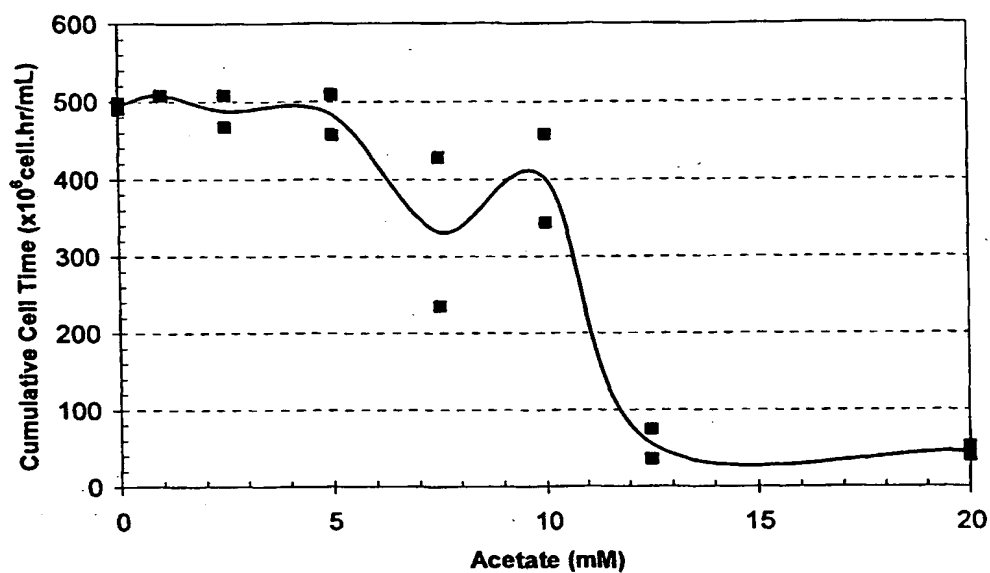


Fig. 8

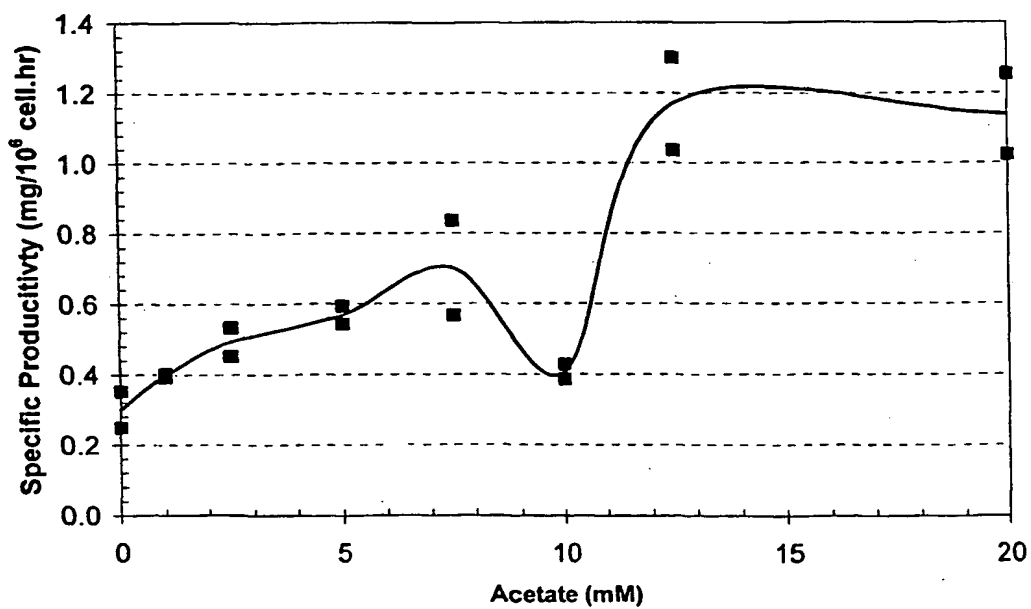


Fig. 9

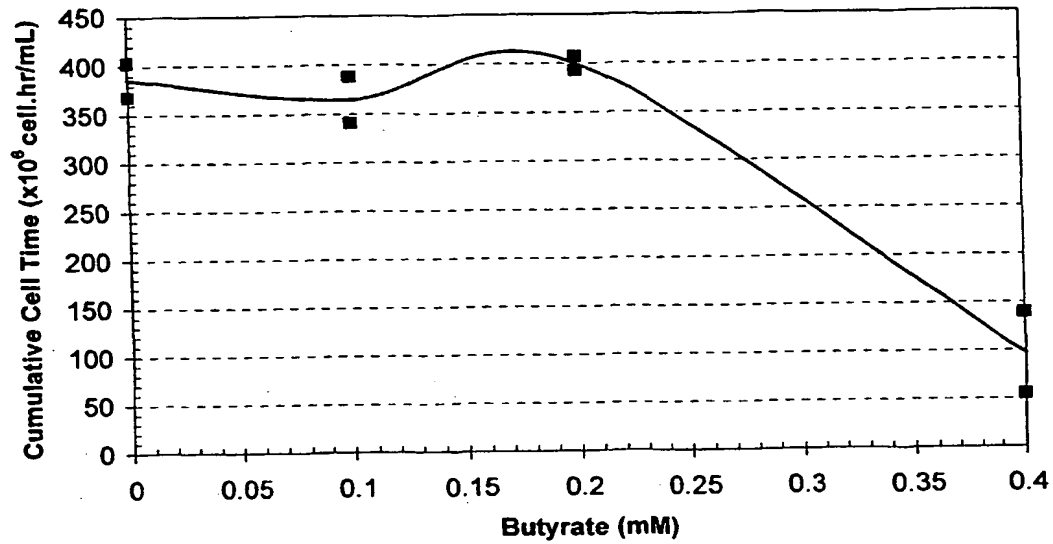


Fig. 10

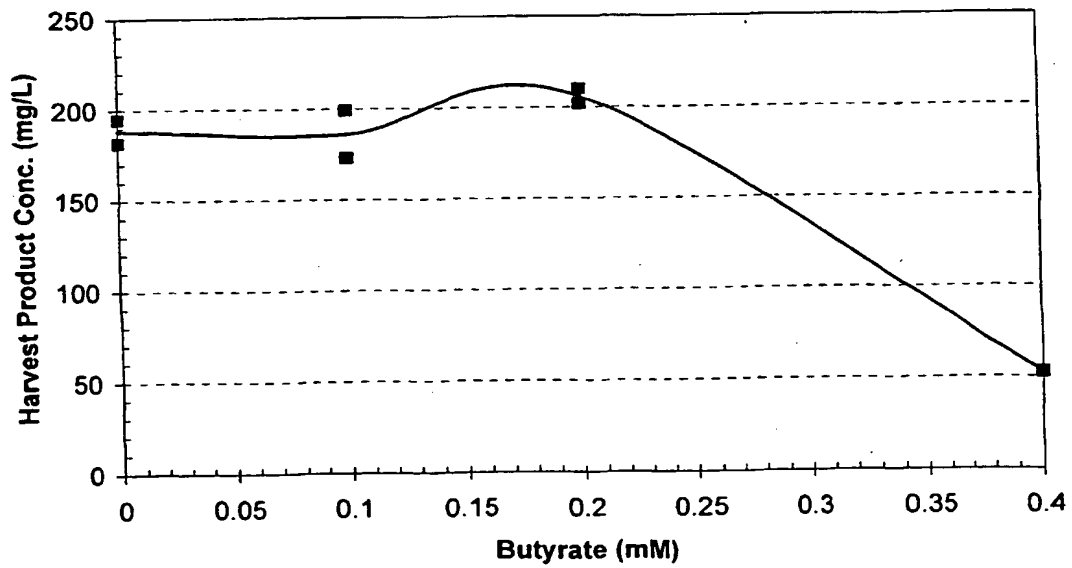


Fig. 11

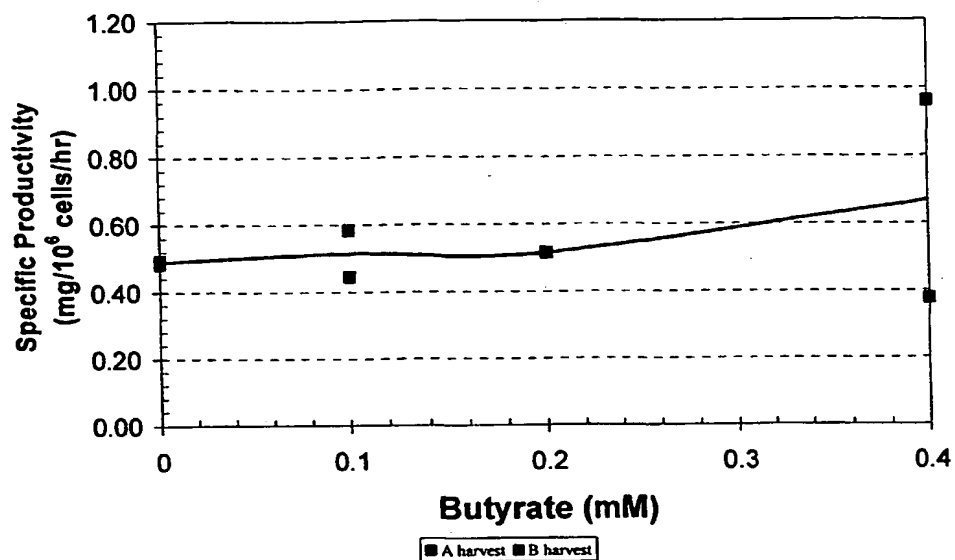


Fig. 12

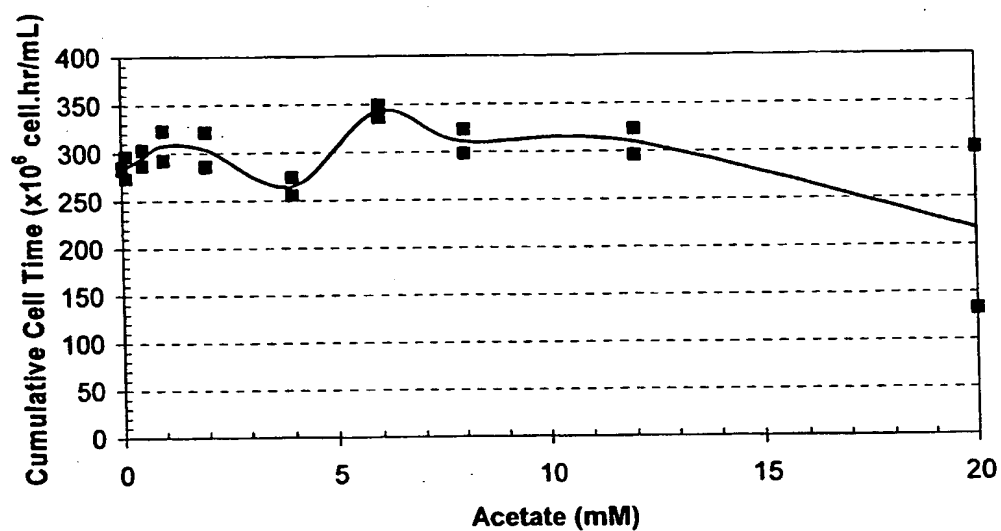


Fig. 13

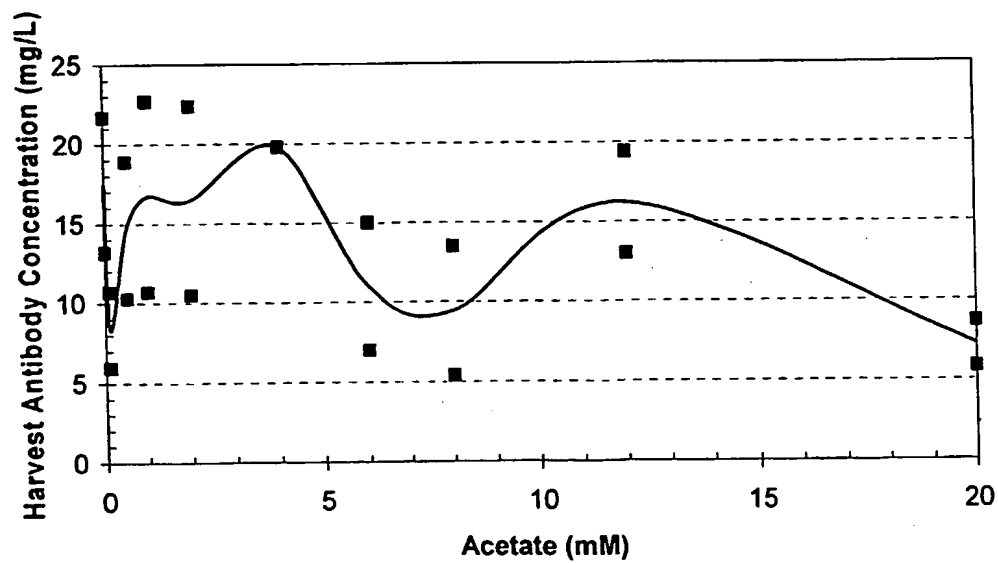


Fig. 14

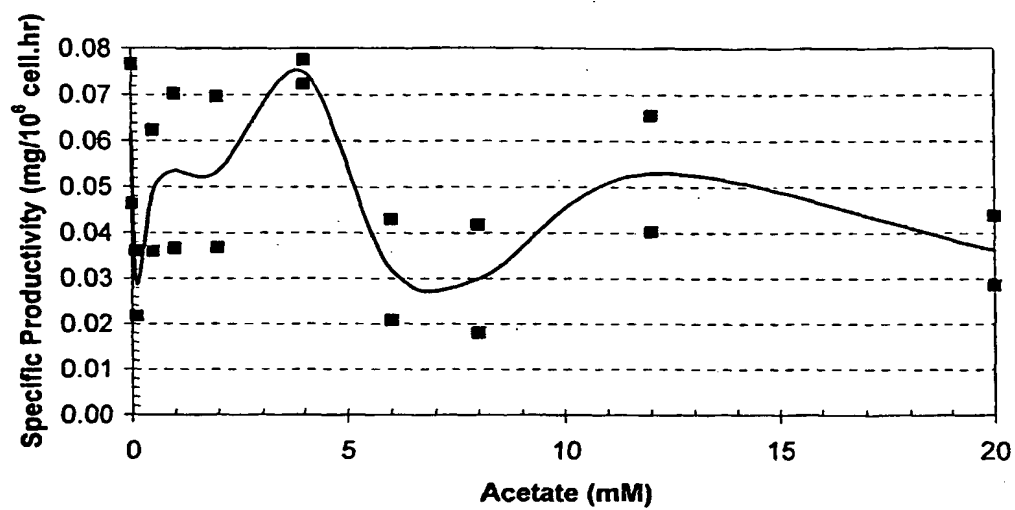


Fig. 15

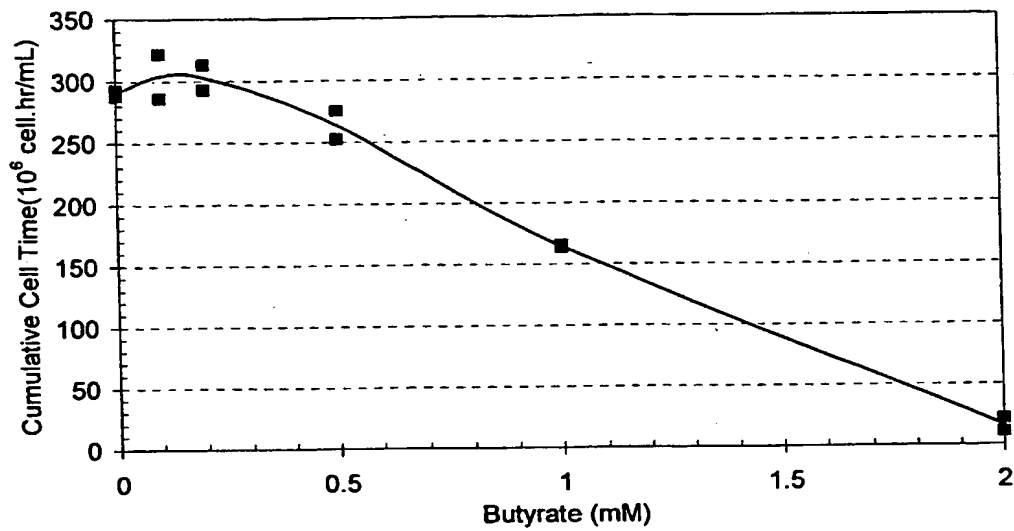
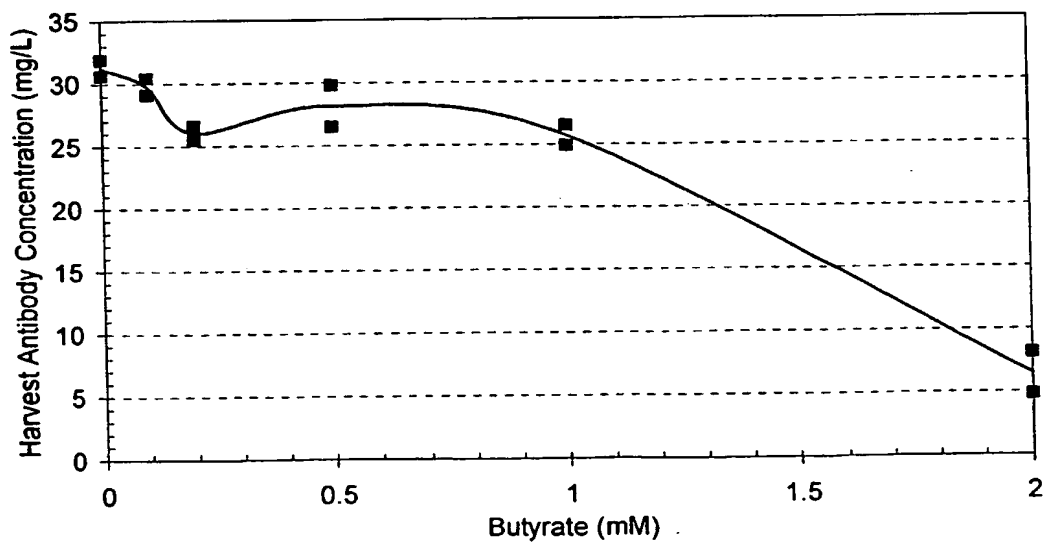
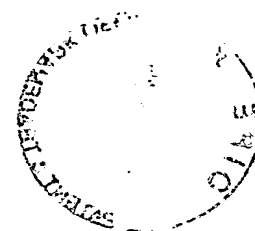


Fig. 16



**Fig. 17**